S & final bill:

"Lo"

EE|RRND|NO.NO|306|13-14

Jobcode: 017-14-000035

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365901

Serial No. .....

Name of Work ..... Improvements to drain at end main of muthyalanagar in ward no-17 From..... To.....

Name of Contractor of nature of Agency ..... Sri: G: vasu

Date of commencement of work ..... pre-measurements recorded on dt: 28/04/2014

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
①	Removing B.B. slabs of ends of road E|side	Deduct:					
		1 x 5 nos	30.00	1.35	-	202.50 m²	
		1 x 2 nos	30.00	1.35	-	81.00 m	
		1 x 1 no	1.00	1.35	-	1.35 m	
	W|side	21 x 1 no	21.20	1.35	-	28.62 m	
	C4FC	1' x 1 no	30.00	1.35	-	40.50 m	
		1' x 1 no	18.00	1.35	-	24.30 m	
		1 x 1 no	30.00	1.35	-	40.50 m	
		1 x 1 no	19.50	1.35	-	26.33 m	
	Cross road ① N|S=	1 x 1 no	29.00	1.35	-	39.15 m	
	S|S	1 x 1 no	30.00	1.35	-	40.50 m	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Load ② N/S	1 x 1	30.00	1.35	–	40.50 m²	
	O/S	1 x 1	30.00	1.35	–	40.50 "	
		1 x 1	5.00	1.35	–	6.75 "	
	4th Cross Load CdFC O/S	1 x 1	21.50	1.35	–	29.02 "	
	~~22/4~~ N/S	1 x 1	18.50	1.35	–	24.98 "	
						666.50 m²	
	Deduct- missing portion slabs	1 x 4 nos	10.50	0.90	–	37.80 "	
		1 x 5 nos	15.00	1.35	–	101.25 "	
		1 x 5 nos	10.50	0.90	–	47.25 "	
						186.30 m²	
		Net Qty (666.50 – 186.30)			=	480.20 m²	
		Qty limited to			=	478.80 m²	

28/09

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365902

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work ..... Pre-measurement recorded on dt: 02/05/2024

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
④	Earth work in surface excavation in ordinary soil.						
	Stack measurements:						
	C4 fc	1 x 4 nos	5.90	1.85	0.45	19.65 m³	
		1 x 9 nos	5.50	1.90	0.50	47.03 m³	
		1 x 5 nos	6.60	1.75	0.55	29.36 m³	
		1 x 6 nos	6.85	2.60	0.45	38.84 m³	
		1 x 10 nos	5.85	2.00	0.55	64.35 m³	
						199.23 m³	
		ali limited to sanctioned qty				171.00 m³	

VIS 2/05

Pre-measurements recorded on dt:

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Earth work excavation for foundation in hard soil.						
	Stacks measurements:						
		14 nos	5.80	1.90	0.45	19.84 m³	
		12 nos	5.95	1.85	0.55	36.324	
						56.16 m³	
			aly limited to Sanctioned aly		—	45.6 m³	
	Pre-measurements recorded on Dt. 16/05/2014						
(4)	providing and laying in position P.C.C. 1 mix				7.50	(PCC 1:4:8)	
	and Wload: Elside	14 nos	30.00	0.90	0.10	13.50 m³	
		1 nos	30.00	0.90	0.10	5.40	
		1 nos	1.00	0.90	0.10	0.09	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365903

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Reference to last measurement 8

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	N/side						
	Cross load ①	1	21.20	0.90	0.60	1.91 m³	
		1	30.00	0.90	0.60	2.70 m	
		1	18.00	0.90	0.60	1.62 m	
		1	29.00	0.90	0.60	2.61 m	
		1	30.00	0.90	0.60	2.70 m	
	Cross load ②	1	30.00	0.90	0.60	2.70	
		1	30.00	0.90	0.60	2.70	
		1	5.00	0.90	0.60	0.45	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd Cross Road :						
	CAFE	1	21.50	0.80	0.60	1.91 m³	
	& 16/05	1	18.80	0.50	0.60	1.67 m³	
						39.99 m³	
	adj limited to Sanctioned qty =					30.40 m³	16/05
(5)	Pre-measurements recorded on dt: 21/05/2014						
	Providing and constructing precast concrete solid Block						
	End cross load : E/side :						
		2	30.00	-	0.60	180.00 m²	
		2	30.00	-	0.75	90.00 m²	
		2	1.00	-	0.60	1.20 m²	

M. A. R. 57 (Rule 116)

Measurement Book

No. B

365904

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	End Main load wise	1 & 1 NOS	21.20	—	0.60	25.44 m²	
		1 & 2 NOS	30.00	—	0.60	36.00 m	
	Cross load (1)	1 & 1 NOS	18.00	—	0.60	21.60 m	
		1 & 2 NOS	30.00	—	0.60	36.00 m	
		1 & 2 NOS	19.50	—	0.60	23.40 m	
		1 & 2 NOS	29.00	—	0.60	34.80 m	
	Cross load (2)	1 & 1 NOS	30.00	—	0.60	36.00 m	
		1 & 2 NOS	30.00	—	0.60	36.00 m	
		1 & 1 NOS	30.00	—	0.60	36.00 m	
		1 & 2 NOS	5.00	—	0.60	6.00 m	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7th Cross Road :	1 × 2 nos	21.50	-	0.60	25.8 m²	
		1 × 2 nos	18.50	-	0.60	22.20 m	
					Total adj :	610.44 m²	
	adj limited to Provided adj — :					608.00 m²	
(6)	Pre-measurements re-checked on Dt. pending and laying PCC M15 (CCC 1:2:4)						
	2nd Cross Road : E/side	2 × 5 nos	30.00	0.20	0.60	6.00 m³	Copping
		2 × 2 nos	30.00	0.20	0.60	2.40 m	
		2 × 1 no	1.00	0.20	0.60	0.04 m	
	W/side	1 × 2 nos	21.20	0.20	0.40	0.85 m	
		1 × 2 nos	30.00	0.20	0.40	1.20 m	
		1 × 2 no	18.00	0.20	0.40	0.72 m	
		1 × 2 nos	30.00	0.20	0.40	1.20 m	
		1 × 2 nos	19.50	0.20	0.40	0.78 m	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365905

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cranload (1)	1	29.00	0.20	0.40	1.16 m	
		1	30.00	0.20	0.40	1.20 m	
	Cranload (2)	1	30.00	0.20	0.40	1.20 m	
		1	30.00	0.20	0.40	1.20 m	
		1	5.00	0.20	0.40	0.20 m	
	Pt cranload :	1	21.50	0.20	0.40	0.86 m	
		1	18.50	0.20	0.40	0.74 m	
	Below Kerb stone :						
	1. Total length of drain	1	493.70	0.25	0.15	18.31 m³	
					Total qty :	38.20 m³	

qty limited to sanction qty = 38.00 m³

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8

Gr & final bill

EE/RRUD/NO.NO/306/13-14

Code: 017-14-000035

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365906

erial No. .....

me of Work Improvements to drain at 2nd main of muthy danayes in ward no-17. From ..... To .....

me of Contractor of nature of Agency Sri. G.Yadav.

te of commencement of work .....

Date	Full description, etc. of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(1)	Removing R.S. slabs of drain & stacking as per specifications:						
	ably same vide Item no (1) of this or B. vide page no: 365901/1					ably: 478.80 m²	
					@ Rs 53.00		Rs 25,376.40
(2)	Earth work in surface excavation in ordinary soil for levelling and lowering the ground generally (other than foundation of building culverts road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50mt and lift upto 1.5mt excavated surface levelled and neatly dressed earth to be levelled and after breaking clods and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	neatly dressed as per specifications.						
	adj same vide Item no (2) of this M.B. vide page no: 365902					adj : 1711.00 m³	
			@ Rs 132=00				Rs 22,572=00
(3)	Earth work excavation for formation of building works supply sanitary lines and electrical conduits either in pits or in trenches 1.5 mt above in width in hard soil not exceeding 1.5 mt in depth including dressing the bottom and sides of pits and trenches & lacking the excavated soil from edges of excavation with lead upto 50 mt after breaking of clods complete as per specifications:						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365907

erial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	adj same vide Item no (3) of this on B. vide page 00				adj:	(3): 36	5902/1
						45.60 m³	
					@ Rs 239.00		Rs 10,898.40
(1)	Refixing stone slabs & drains and pointing in cm 1:3 as per specification.						
	2nd main road:						
	Carriage way:						
	E/S	1	30.00	1.20	—	36.00 m²	
		1	1.00	1.20	2	1.20 m²	
	W/S:	1	21.20	1.00	—	21.20 m²	
		1	30.00	1.00	—	30.00 m²	
		1	18.00	1.00	—	18.00 m²	

MEASUREMENT BOOK

ate 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.00	1.00	–	30.00 m	
		1	19.50	1.00	–	19.50 m	
	* Inside road :	1	21.50	1.00	–	21.50 m	
	CAFE	1	18.50	1.00	–	18.50 m	
	Cross road ②	1	30.00	1.00	–	30.00 m	
		1	30.00	1.00		30.00 m	
		1	5.00	1.00	–	5.00 m	
	Cross road ①	1	30.00	1.00	–	30.00 m	
		1	30.00	1.00	–	150.00 m	
		1	30.00	1.00	–	30.00 m	
		1	8.00	1.00	–	8.00 m	
						478.90 SQM	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365908

Reference to last Measurement 8

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	alij limited to sanded alij :					478.80 m²	
						Cs 74 = a	Cs 35,431 = 20
(4)	Loading and unloading of stone boulders/ stone aggregate/ sand / Kankar/ moorum. placing tipper at loading point loading with front end loader dumping turning for return trip. excluding time for haulage and return complete as per specification.						
	alij sand wide Item no's (2+3) of this mb. vide page no: 365906						
	alij : 171.00 + 45.60					= 216.60 m³	
						Cs 114 = a	Cs 24,692 = 40

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	providing and laying in position P.C.C of mix M-50 with OPC cement @ 180 Kgs with 40mm and down size graded granite radial coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth including cost of all materials labour Hire of machinery curing complete as per specification:						
	Adj same rate Item no (4) of this M.B. vide page no : 365903/1						
						Adj : 304.00 cm	
		@ Rs	4501=a				Rs 1,36,830=00
(7)	providing and constructing pre-cast solid blocks with compressive strength not less than 35 kg/cm² with C.M 1:4. masonry with solid concrete blocks of size 40 x 20 x 20 cms conforming to IS 2185 / 1967 in						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365909

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Super Structure including cost of materials labour charges scaffolding curing complete as per Specifications						
	adj Some vide Item no (5) of this MB. vide pay no: 365904					adj: 608.00 m²	
	CSFC Raad					@ Rs 970=00	Rs 5,89,760=00
(8)	Providing and laying in position PCC of mix m15 with cement @ 240 kgs with 20 mm and down size graded granite metal coarse aggregate @ 0.828 cum and fine aggregate @ 0.459 cum machine mixed concrete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	laid in layers not exceeding 15 cms thick well compacted in foundation plinth and offs including cost of all materials labour tools & machinery curing complete as per specifications.						
	Adj some in the Item no ⑧ of this MB vide pay no: 365905					Adj: 38.00 m³	
						Rs 5013=00	Rs 190,194=00
⑨	Providing 10 cm thick granite slabs of selected quality roughly dressed and laid in cm (1:6) including fixing curing etc complete 2nd Crain Road.						
		1 x 4 Nos	30.00	1.00	-	120.00 m²	
		1 x 2	30.00	1.00	-	60.00 m²	

M. A. R. 57 (Rule 116)

Measurement Book

No. B

365910

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Qtrs Road ① ——:	1 a 1	29.00	1.00	-	29.55 m²	
					Total dip:	207.50 m²	
					dip limited to sanctioned dip =	205.20 m²	
						@ Rs 607.00	Rs 1,24,556=40
(18)	Providing one line dressing to granite stone slabs / granite stone						
	accessory cer per specification:						
	2nd m/Road : E/side	1 a 5.00	30.00	1.00+1.00	-	150.00 m²	
		12 2m	30.00	1.00+1.00	=	60.00 m²	
		1 a 1.00	1.00	1.00+1.00	=	1.00 m²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	N/side.	1	21.20	1.00+1.00		21.20m²	
		1	30.00	1.00+1.00		30.00	
		1	18.00	1.00+1.00		18.00	
		1	30.00	1.00+1.00		30.00	
		1	19.50	1.00+1.00		19.50	
	Com load ①	1	29.00	1.00+1.00		29.00	
		1	30.00	1.00+1.00		30.00	
	Com load ②	1	30.00	1.00+1.00		30.00	
		1	30.00	1.00+1.00		30.00	
		1	5.00	1.00+1.00		5.00	
	4th cl load:	1	21.50	1.00+1.00		21.50	
		1	18.00	1.00+1.00		18.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

365911

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	C&FC	12 Nos	30.00	1.20+1.00	2	180.00 m²	
		2 Nos	15.00	1.20+1.00	2	15.00 m²	
						688.20 m²	
	dig limits to	Sanctioned	dig	—	=	684.00 m²	
			Cft 460 = 00				@ 3,14,640 = 00
(11)	providing and fixing pre-cast RCC Kerb stones made out of CC 1:2:4 with top and bottom widths 114 & 165 mm respectively 400 mm high and 450 mm in length finished with CM 1:3 plastering and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	finishing cutting including formwork casing including cost of all materials labour hire charges of machinery loading unloading lead and lift transportation etc complete:						
	2nd main road: E/side:	5	30.0	–	–	150.0 sqm	
		2	30.0	–	–	60.0 sq	
		1	1.0	–	–	1.0 sq	
	W/side:	1	21.20	–	–	21.20 sq	
		1	30.0	–	–	30.0 sq	
		1	18.0	–	–	18.0 sq	
		1	30.0	–	–	30.0 sq	
		1	19.50	–	–	19.50	
	7th C/Road	1	21.50	–	–	21.50	
		1	18.50	–	–	18.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365912

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Reference to last Measurement 8	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Clwood ①	1 nos	29.00	—	—	29.00	
		1 nos	30.00	—	—	30.00	
	Clwood ②	1 nos	30.00	—	—	30.00	
		1 nos	30.00	—	—	30.00	
	c+fc	1 nos	5.00	—	—	5.00	
		1 no 5	30.00	—	—	150.00	
		1 no 4	30.00	—	—	120.00	
						763.50 c/0.45 mt = 1697 nos	
	dij limited to sanctioned qty				=	1689.00 nos	= ₹ 472,920=00

(@) 280=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	Providing and applying ready mix paining coat over concrete/masonry surface after thoroughly cleaning of all grease dirt and other foreign matter and sand prepaning including cost of materials labour complete as per specification: L = Total length of Kerb stone						
	c/f/c / x	For	76.35	0.45	—	343.58 m²	
		Only limited to			——→2	342.00 m²	
		@ Rs 25=00				Rs 8550=00	
		2					

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365913

ial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
s of commencement of work .....

Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
providing and applying flow paint with ready mix paint in two coats on new concrete / asbestos cement sheet / plastered surface brushing to give an even shade after preparing the surface after thoroughly cleaning off dirt, dust oil or foreign matter & sand preparing including cost of all materials labour complete as per Specification.						
as per second item no (12) of this sub div page no 365912/1						
					qty = 342.00 sqft	L 16.416 = a.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	providing chamfering edges of stone kerbs 10 cms wide as per specifications:				2.50 cms		
	Length = Total length of the stone kerbs = 763.50 mt / 0.60 mt = 1272.50 nos						
	deduct	1 no	1272.50 nos	x 3.00 =		3817.50 mt	
	adj limited to					3798.00 mt	
				@ 30=00			1,13,940=00
(18)	providing and fixing m.s. Gratings as per direction of Engineer in charge of work						
		1 no	40 nos			40 nos	
				@ 94=00			3760=00
						Total Rs	20,94,837

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365914

...al No. .....
...e of Work ..... From..... To.....
...e of Contractor of nature of Agency .....
...e of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Certificate Certified that the contractor has done the work satisfactorily and found correct Certified that the contractor has removed all the debries from the site Certified that there is no due from the contractor						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Certified that the centaleg making arrangement for the proper used materials. 1958 No. 31/05						

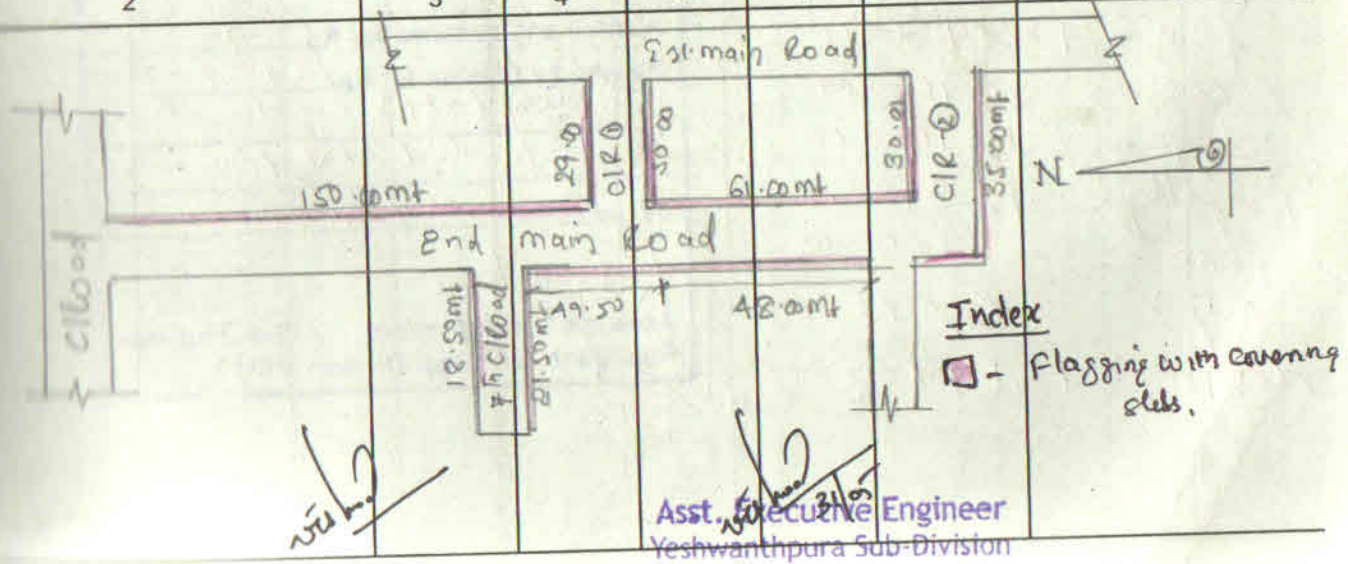
Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116)
Measurement Book

No. B 365915

...al No. .....
...e of Work ..... From..... To.....
...e of Contractor of nature of Agency .....
...e of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8



Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

BR.NO- 156/31-05-14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bill Amt Rs.- 20,90,837=00						
	IT - 22,163=00						
	KST - 83,633=00						
	FSD - 1,25,450=00						
	L.cess- 20,908=00						
	CBF - 2,100=00						
	Royalty- 12,818=00						
	Fine - 5,000=00						
	Adj :- 2,72,072=00						
	Net payt 18,18,765=00						

Audited and admitted for Rs. 20,90,837=00

Passed by Cheque for Rs. 18,18,765=00

(Eighteen lakhs eighteen thousand seven hundred sixty five only)

by adjustment 2,72,072=00

K. Gowdaraju
Accounts Superintendent
Rajarajeshwari Nagar Division, BBMP

Exe. Engineer